

Stock number	Inside diameter (inches)	Convolution O.D. (inches)	Effective area (square Inche)	Material thickness (inches)	Maximum convoluted length (inches)	Maximum pressure (PSI)	Stability* pressure (PSI)	Axial* spring rate (lbs/in.)	Lateral* spring rate (lbs/in.)	Axial* deflection +- for 2,000 cycles (inches)
1	2	3	4	5	6	7	8	9	10	11
7585N	22	24.5	424	0.018	15	19	2475	2176	1765	0.48
7585R				0.025		36	6750	5552	4502	0.47
7585S				0.030		52	10515	10309	8359	0.39
7585T				0.036		75	15075	17464	14160	0.32
7585W				0.040		93	18225	22033	17865	0.29
7585X				0.048		133	24300	41088	33316	0.23
7585Z				0.060		235	33775	82449	66853	0.17
7586N	24	26.5	500	0.018	15	19	2700	2364	2260	0.48
7586R				0.025		36	6975	6104	5838	0.47
7586S				0.030		52	10575	11196	10708	0.39
7586T				0.036		75	14850	19124	18289	0.32
7586W				0.040		93	17775	24113	23061	0.28
7586X				0.048		133	23296	44898	42938	0.24
7586Z				0.060		237	33975	89981	86053	0.17
7587N	26	28.5	583	0.018	15	19	2700	2523	2811	0.48
7587R				0.025		36	7200	6588	7338	0.47
7587S				0.030		51	10575	12204	13593	0.39
7587T				0.036		75	14400	20639	22989	0.32
7587W				0.040		93	17100	25077	27932	0.28
7587X				0.048		133	22275	48754	54304	0.24
7587Z				0.060		237	31950	97583	108693	0.17
7588N	28	30.5	672	0.018	15	18	3025	2708	3476	0.48
7588R				0.025		31	6239	6925	8887	0.47
7588S				0.030		45	8508	13099	16811	0.41
7588T				0.036		64	11344	21361	27414	0.32
7588W				0.040		102	13045	26917	34544	0.25
7588X				0.048		148	16448	52654	67574	0.20
7588Z				0.060		205	23633	105257	135081	0.18
7589N	30	32.75	773	0.018	15	16	3375	2728	4029	0.48
7589R				0.025		31	6750	6982	10310	0.47
7589S				0.030		45	9225	13026	19234	0.40
7589T				0.036		64	12375	20867	30812	0.33
7589W				0.040		81	14400	26294	38826	0.30
7589X				0.048		117	18675	51435	75949	0.24
7589Z				0.060		195	26100	99796	147358	0.18
7590N	32	34.75	874	0.018	15	16	3375	2902	4850	0.48
7590R				0.025		31	6750	7519	12563	0.47
7590S				0.030		45	9000	13994	23382	0.40
7590T				0.036		64	11925	22197	37088	0.33
7590W				0.040		81	13950	28185	47094	0.29
7590X				0.048		117	17775	53431	89275	0.24
7590Z				0.060		185	24975	106675	178237	0.18
7591N	34	36.75	982	0.018	15	16	3375	3034	5696	0.48
7591R				0.025		31	6525	7764	14574	0.47
7591S				0.030		45	8775	14832	27842	0.40
7591T				0.036		64	11700	23722	44530	0.33
7591W				0.040		81	13500	29874	56077	0.29
7591X				0.048		117	17100	56633	106306	0.24
7591Z				0.060		205	23850	113618	213272	0.18



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1	2	3	4	5	6	7	8	9	10	11
7592N	36	38.75	1097	0.018	15	16	3600	3261	6833	0.48
7592R				0.025		32	6525	8203	17188	0.47
7592S				0.030		45	8550	14721	30846	0.40
7592T				0.036		64	11250	25064	52518	0.33
7592W				0.040		81	13050	31806	66644	0.29
7592X				0.048		117	16425	60202	126144	0.24
7592Z				0.060		165	22725	120042	251529	0.18
7593N	38	40.75	1217	0.018	15	16	3600	3436	7990	0.48
7593R				0.025		31	6300	8748	20345	0.48
7593S				0.030		45	8325	15662	36425	0.40
7593T				0.036		64	10800	26405	61408	0.33
7593W				0.040		81	12600	33508	77926	0.29
7593X				0.048		117	15750	63423	147498	0.24
7593Z				0.060		207	21825	127081	295538	0.18
7594N	40	42.75	1344	0.018	15	16	3600	3514	9025	0.48
7594R				0.025		31	6300	9192	23605	0.47
7594S				0.030		45	8100	16458	42262	0.40
7594T				0.036		64	10575	27976	71839	0.33
7594W				0.040		81	12150	35210	90414	0.29
7594X				0.048		117	15075	67053	172182	0.24
7594Z				0.060		207	20925	133536	342899	0.17
7595N	42	44.75	1477	0.018	15	16	3600	3684	10399	0.48
7595R				0.025		31	6075	9637	27197	0.47
7595S				0.030		45	7875	17254	48692	0.40
7595T				0.036		64	10125	29329	82769	0.32
7595W				0.040		81	11700	36100	101879	0.29
7595X				0.048		117	14625	70294	198378	0.24
7595Z				0.060		207	20025	140670	396984	0.18
7596R	44	46.75	1616	0.025	15	31	6075	9470	29248	0.48
7596S				0.030		45	7650	18049	55743	0.40
7596T				0.036		64	9900	29778	91967	0.33
7596W				0.040		81	11250	37765	116632	0.29
7596X				0.048		117	14175	73536	227104	0.24
7596Z				0.060		207	19350	147156	454469	0.18
7597R				46		48.75	1762	0.025	15	31
7597S	0.030	45	7425		18845			63444		0.39
7597T	0.036	64	9675		31348			105537		0.33
7597W	0.040	81	11025		39429			132744		0.29
7597X	0.048	117	13500		77246			260057		0.24
7597Z	0.060	207	18450		154387			519759		0.18
7598R	48	51	1914		0.025			15		25
7598S				0.030	36	7425	19834		72532	0.46
7598T				0.036	52	9450	32671		119476	0.38
7598W				0.040	64	10800	41094		150276	0.33
7598X				0.048	94	13725	80507		294403	0.27
7598Z				0.060	166	18675	160905		588404	0.20
7599S				50	53	2083	0.030		14	36
7599T	0.036	52	7941				27716	110265		0.37
7599W	0.040	64	9075				34861	138691		0.33
7599X	0.048	94	11344				68295	271706		0.27
7599Z	0.060	166	15503				136498	543042		0.20

Note

- ** (1) Columns 8, 9, 10 & 11 apply to 1" convoluted length. Refer to the explanation of tables (page 5) for correction to a specific convoluted length.
- (2) For the correct value of lateral spring rate (Column 10) multiply the tabulated value by 1000 and apply the correction for convoluted length explained on page 5.
- ** (3) For the correct value of lateral spring rate multiply these values by 10,000 and apply the correction for convoluted length explained on page 5.

Stock number	Inside diameter (inches)	Convolution O.D. (inches)	Effective area (square Inche)	Material thickness (inches)	Maximum convoluted length (inches)	Maximum pressure (PSI)	Stability* pressure (PSI)	Axial* spring rate (lbs/in.)	Lateral* spring rate (lbs/in.)	Axial* deflection +-or- for 2,000 cycles (inches)
1	2	3	4	5	6	7	8	9	10	11
75100S	52	55	2248	0.030	14	36	6050	16965	72838	0.46
75100T				0.036		52	7752	28792	123617	0.37
75100W				0.040		64	8886	36214	155485	0.33
75100X				0.048		94	10966	70948	304607	0.27
75100Z				0.060		166	14936	141799	608798	0.20
75101S	54	57	2419	0.030	14	36	6050	17599	81316	0.45
75101T				0.036		52	7562	29868	138005	0.37
75101W				0.040		64	8508	37855	174907	0.33
75101X				0.048		94	10587	73600	340061	0.28
75101Z				0.060		166	14369	147100	679659	0.20
75102S	58	61	2781	0.030	14	36	5672	18868	100197	0.45
75102T				0.036		52	7184	32021	170046	0.37
75102W				0.040		64	8130	40583	215516	0.33
75102X				0.048		94	10020	79386	421570	0.27
75102Z				0.060		166	13612	158465	841509	0.20
75103S	60	63	2971	0.030	14	36	5483	19502	110644	0.45
75103T				0.036		52	6995	33097	187776	0.37
75103W				0.040		64	7941	41948	237987	0.33
75103X				0.048		94	9831	82054	465526	0.27
75103Z				0.060		166	13234	155120	880055	0.20
75104S	66	69	3578	0.030	14	36	5105	21615	147728	0.45
75104T				0.036		52	6428	36626	250318	0.37
75104W				0.040		64	7373	46391	317054	0.33
75104X				0.048		94	9075	90059	615502	0.27
75104Z				0.060		166	12100	171076	116920**	0.20
75106S	72	75	4243	0.030	14	46	4916	23536	190728	0.43
75106T				0.036		52	6050	39881	323178	0.37
75106W				0.040		66	6806	50514	409340	0.33
75106X				0.048		94	8319	98661	799493	0.34
75106Z				0.060		168	11155	187181	151681**	0.20
75107S	76	80	4717	0.030	14	18	5105	24817	223593	0.47
75107T				0.036		27	6428	42052	378866	0.46
75107W				0.040		33	7373	53263	479874	0.46
75107X				0.048		48	9264	98523	887636	0.45
75107Z				0.060		82	12856	197368	177817**	0.34
75108S	78	82	5027	0.030	11	18	4916	12335	118420	0.47
75108T				0.036		27	6428	20934	200973	0.46
75108W				0.040		33	7373	26532	254713	0.46
75108X				0.048		48	6050	51900	498242	0.45
75108Z				0.060		82	12478	99589	956058	0.34
75109S	84	88	5809	0.030	11	18	2800	13260	147112	0.47
75109T				0.036		27	3500	22690	251726	0.46
75109W				0.040		33	3900	28522	316428	0.46
75109X				0.048		48	4800	53633	595004	0.44
75109Z				0.060		82	6500	107575	119345**	0.33
75110S	96	100	7543	0.030	11	18	2500	15259	219828	0.47
75110T				0.036		27	3100	25856	372486	0.46
75110W				0.040		33	3500	32749	471794	0.46
75110X				0.048		48	4300	61488	885804	0.44
75110Z				0.060		82	5700	123177	177450**	0.41

